



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF SOLID WASTE MANAGEMENT
5th Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243-1535

RECEIVED

2001 APR -2 P 3:13

March 28, 2001

Certified Mail #7099 3220 0007 5315 9433
Return Receipt Requested

Mr. Brian Burr
Plant Manager
Sumiden Wire Products Corporation (SWPC)
710 Marshall Stuart Drive
Dickson, Tennessee 37055

RE: Final Approval
Variance Request Dated May 8, 2000
Pertaining to the Metal Hydroxide Sludge generated at
Sumiden Wire Products Corporation
710 Marshall Stuart Drive
Dickson, Tennessee 37055

ID Number: TNR 00 000 1834

Dear Mr. Burr:

We have reviewed your May 8, 2000, variance request for excluding a material from the definition of solid waste. The variance request was made pursuant to Tennessee Rule 1200-1-11-.01(4), "Variances from Classification as a Waste." The variance request pertained to metal hydroxide wastewater treatment sludge generated at the Dickson manufacturing facility of Sumiden Wire Products Corporation (SWPC). The sludge is generated from the lime treatment of the wastewaters produced primarily from the electroplating of nickel (from pure nickel rounds) onto stainless steel wire. This variance request was public noticed on January 31, 2001. No comments were received on this issue.

Based upon the information submitted in the May 8, 2000 variance request, and subsequent correspondence and reviews, a variance for the metal hydroxide wastewater treatment sludge is granted under Rule 1200-1-11-.01(4), "Variances from Classification as a Waste." This rule allows DSWM to grant variances for materials that meet the specified legal criteria and are environmentally sound processes. The information you submitted supported that the metal hydroxide wastewater sludge generated from this process is a commodity that can be utilized as a substitute for nickel concentrates produced from mined nickel ore. This recycling process promotes sustainable development by helping to reduce the amount of virgin nickel that is mined.

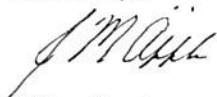
This variance should help to facilitate the recovery of approximately 14,500 pounds of nickel per year. Another environmental benefit is the conversion into a valuable commodity of nickel bearing materials that otherwise would be wastefully landfilled. Thus, the burden on landfills and the environment is reduced. Our review of your variance request found that SWPC met, or exceeded, each of the points of Rule 1200-1-11-.01(4)(b)3.

This letter constitutes approval under Rule 1200-1-11-.01(4)(b)3. The following provisions will apply to this final approval:

- 1) This variance pertains solely to the metal hydroxide wastewater treatment sludge represented in the variance application and produced at SWPC's Dickson, Tennessee site.
- 2) SWPC must provide written notification to the Division of substantive changes in the management of the metal hydroxide wastewater treatment sludge or in its chemical composition or marketability.
- 3) The sludge must continue to be handled and transported in a manner consistent with a commodity-like status.

This variance will remain in effect for a period of five (5) years from this date of issuance, or until March 29, 2006, provided the metal hydroxide wastewater treatment sludge is managed as presented. If you have any questions on this matter, please call Mr. Robert S. Nakamoto of my staff at (615) 532-0868.

Sincerely,



Mike Apple
Director

JMA/rsn

Cc: David Dorian, Environmental Engineer, RCRA Enforcement and Compliance,
Region IV, U.S. Environmental Protection Agency (EPA)
Ed Casey, DSWM Public Participation Officer
Al Majors, Manager, DSWM Nashville Environmental Assistance Center (EAC)
DSWM File

Filename: Sumiden Approval Letter



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
Fifth Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243 - 1535

January 26, 2001

Sumiden Wire Products Corporation
ATTN: Mr. Brian Burr, Plant Manager
710 Marshall Stuart Drive
Dickson, TN 37055

Re: Notice of Tentative Decision to Grant a Variance,
from Classification as a Solid and Hazardous Waste,
for Metal Hydroxide Wastewater Treatment Sludge
Sumiden Wire Products Corporation
EPA ID No. TNR 00 000 1834
710 Marshall Stuart Drive
Dickson, Dickson County, Tennessee 37055

Enclosed is a copy of the Public Notice and 30-Second Radio Spot announcing the Department's tentative decision to grant the variance referenced above.

The Public Notice is scheduled to appear as a minimum 2 columns wide display ad (in main news) in the January 31, 2001 edition of The Dickson Herald. The 30-Second Announcement is scheduled to be broadcast at morning drive, midday and afternoon drive also on January 31, 2001 on WFGZ-FM and WDKN-AM.

If you have any questions, please call me at 615-532-0840.

Sincerely,

Edward L. Casey
Chief of Public Participation
Division of Solid Waste Management

ELC/me/ sumiden wire

cc: Mr. Al Majors, DSWM Manager, Nashville Environmental Assistance Center
Mr. Pete Bobo, Environmental Specialist, DSWM, Nashville Environmental Assistance Center
Mr. Robert S. Nakamoto, Environmental Protection Specialist, DSWM
Mr. Joe Putnam, Environmental Protection Specialist, DSWM
Ms. Jamie Burroughs, Manager, Treatment, Storage and Disposal Section, DSWM
Mr. Bill Krispin, Manager, Permitting Sections, DSWM
Mr. Charlie Burroughs, Manager, Corrective Action Section, DSWM
Mr. Dennis Woodson, Environmental Specialist, Waste Activity Audit Section, DSWM
Mr. Chuck Allen, Environmental Protection Specialist, Enforcement Section, DSWM
Mr. Narindar Kumar, Chief, RCRA Branch, EPA, Region 4, Atlanta, GA
Mr. David Dorian, Environmental Engineer, RCRA Enforcement and Compliance, U.S. EPA,
Region 4, Atlanta, GA
Mr. Otis Johnson, RCRA Branch, U.S. EPA, Region 4, Atlanta, GA
Central Files (18) – TNR 00 000 1834

DOCKET NO.

30 SECOND ANNOUNCEMENT
FOR BROADCAST JANUARY 31, 2001
WDKN-AM
DICKSON, TENNESSEE
SUMIDEN WIRE PRODUCTS CORPORATION
EPA ID NO. TNR 00 000 1834

THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION IS ANNOUNCING A TENTATIVE DECISION TO GRANT TO SUMIDEN WIRE PRODUCTS CORPORATION IN DICKSON, A VARIANCE FROM CLASSIFICATION AS A WASTE THEIR METAL HYDROXIDE WASTEWATER TREATMENT SLUDGE. FOR FURTHER INFORMATION SEE THE PUBLIC NOTICE IN TODAY'S EDITION OF THE DICKSON HERALD OR CALL THE DIVISION OF SOLID WASTE MANAGEMENT AT 615-532-0868. THE PROPOSAL MAY ALSO BE REVIEWED AT THE DICKSON COUNTY PUBLIC LIBRARY.

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STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
Fifth Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243 - 1535

January 25, 2001

WDKN-AM
ATTN: Mr. Ken Loggains, Sales
Dickson, Tennessee
Telephone 615-446-0752
FAX 615-446-9681

Re: Notice of Tentative Decision to Grant a Variance,
from Classification as a Solid and Hazardous Waste,
for Metal Hydroxide Wastewater Treatment Sludge
Sumiden Wire Products Corporation
EPA ID No. TNR 00 000 1834
710 Marshall Stuart Drive
Dickson, Dickson County, Tennessee 37055

Please broadcast the enclosed 30-second announcement one time each at morning drive, midday and afternoon drive on January 31, 2001 as we discussed by phone on January 25th. I understand the cost will be \$15.00 (3 x \$5.00/30 sec.).

Please send **three copies of the invoice and proof of the broadcast (including script)** to:

Tennessee Department of Environment and Conservation
Division of Solid Waste Management
Attention: Ms. Mary Evans
5th Floor, L & C Tower
Nashville, Tennessee 37243-1535
Phone 615 532-0798

If you have any questions please call me at 615-532-0840 or FAX at 615-532-0886.

Sincerely,

Edward L. Casey
Division of Solid Waste Management

ELC WDKN-AM/mc

cc: Ms. Tracy Carter, Environmental Program Coordinator, TDEC
Ms. Kim Olson, Public Information Officer, TDEC
Ms. Rose Busby, DSWM
Mr. Robert S. Nakamoto, Environmental Protection Specialist, DSWM
Mr. Joe Putnam, Environmental Protection Specialist, DSWM
Mr. Bill Krispin, Manager, Permitting Sections, DSWM
Mr. Charlie Burroughs, Manager, Corrective Action Section, DSWM
Ms. Jamie Burroughs, Manager, Treatment, Storage and Disposal Section, DSWM
Mr. Dennis Woodson, Environmental Specialist, Waste Activity Audit Section, DSWM
Mr. Chuck Allen, Environmental Protection Specialist, Enforcement Section, DSWM
Mr. Al Majors, DSWM Manager, Nashville Environmental Assistance Center
Mr. Pete Bobo, Environmental Specialist, DSWM, Nashville Environmental Assistance Center
Mr. Narindar Kumar, Chief, RCRA Branch, EPA, Region 4, Atlanta, GA
Mr. David Dorian, Environmental Engineer, RCRA Enforcement and Compliance, U.S. EPA, Region 4, Atlanta, GA
Mr. Otis Johnson, RCRA Branch, U.S. EPA, Region 4, Atlanta, GA
Mr. Brian Burr, Plant Manager, Sumiden Wire Products Corporation, Dickson, TN
Central Files (18) -- TNR 00 000 1834



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
Fifth Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243 - 1535

January 25, 2001

WFGZ-FM

ATTN: Ms. Melissa Stanford

Dickson, Tennessee

Telephone 615-446-4487

E-mail: melissa.stanford@dnr.state.tn.us

FAX 615-446-1781

Re: Notice of Tentative Decision to Grant a Variance,
from Classification as a Solid and Hazardous Waste,
for Metal Hydroxide Wastewater Treatment Sludge
Sumiden Wire Products Corporation
EPA ID No. TNR 00 000 1834
710 Marshall Stuart Drive
Dickson, Dickson County, Tennessee 37055

Please broadcast the enclosed 30-second announcement one time each at morning drive, midday and afternoon drive on January 31, 2001 as we discussed by phone on January 24th. I understand the cost will be \$54.00 (3 x \$18.00/30 sec.).

Please send **three copies of the invoice** and **proof** of the broadcast (**including script**) to:

Tennessee Department of Environment and Conservation
Division of Solid Waste Management
Attention: Ms. Mary Evans
5th Floor, L & C Tower
Nashville, Tennessee 37243-1535
Phone 615 532-0798

If you have any questions please call me at 615-532-0840 or FAX at 615-532-0886.

Sincerely,

Edward L. Casey
Division of Solid Waste Management

ELC/wfgz-fm/me

cc: Ms. Tracy Carter, Environmental Program Coordinator, TDEC
Ms. Kim Olson, Public Information Officer, TDEC
Ms. Rose Busby, DSWM
Mr. Robert S. Nakamoto, Environmental Protection Specialist, DSWM
Mr. Joe Putnam, Environmental Protection Specialist, DSWM
Mr. Bill Krispin, Manager, Permitting Sections, DSWM
Mr. Charlie Burroughs, Manager, Corrective Action Section, DSWM
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Mr. Dennis Woodson, Environmental Specialist, Waste Activity Audit Section, DSWM
Mr. Chuck Allen, Environmental Protection Specialist, Enforcement Section, DSWM
Mr. Al Majors, DSWM Manager, Nashville Environmental Assistance Center
Mr. Pete Bobo, Environmental Specialist, DSWM, Nashville Environmental Assistance Center
Mr. Narindar Kumar, Chief, RCRA Branch, EPA, Region 4, Atlanta, GA
Mr. David Dorian, Environmental Engineer, RCRA Enforcement and Compliance, U.S. EPA, Region 4, Atlanta, GA
Mr. Otis Johnson, RCRA Branch, U.S. EPA, Region 4, Atlanta, GA
Mr. Brian Burr, Plant Manager, Sumiden Wire Products Corporation, Dickson, TN
Central Files (18) - TNR 00 000 1834

30 SECOND ANNOUNCEMENT
FOR BROADCAST JANUARY 31, 2001
WFGZ-FM
DICKSON, TENNESSEE
SUMIDEN WIRE PRODUCTS CORPORATION
EPA ID NO. TNR 00 000 1834

THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION IS ANNOUNCING A TENTATIVE DECISION TO GRANT TO SUMIDEN WIRE PRODUCTS CORPORATION IN DICKSON, A VARIANCE FROM CLASSIFICATION AS A WASTE THEIR METAL HYDROXIDE WASTEWATER TREATMENT SLUDGE. FOR FURTHER INFORMATION SEE THE PUBLIC NOTICE IN TODAY'S EDITION OF THE DICKSON HERALD OR CALL THE DIVISION OF SOLID WASTE MANAGEMENT AT 615-532-0868. THE PROPOSAL MAY ALSO BE REVIEWED AT THE DICKSON COUNTY PUBLIC LIBRARY.

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STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
Fifth Floor, L & C Tower
401 Church Street
Nashville, Tennessee 37243 - 1535

January 24, 2001

Tennessee Press Service, Inc.
Attn: Ms. Donna Czupryna
Advertising Services Supervisor
Knoxville, Tennessee
Telephone: 865-584-5761 ext 109
FAX: 865-558-8687
E-mail: knoxad2@tnpress.com

Re: Notice of Tentative Decision to Grant a Variance,
from Classification as a Solid and Hazardous Waste,
for Metal Hydroxide Wastewater Treatment Sludge
Sumiden Wire Products Corporation
EPA ID No. TNR 00 000 1834
710 Marshall Stuart Drive
Dickson, Dickson County, Tennessee 37055

Please insert the enclosed Public Notice to form a display ad having a width of at least 2 columns and length as necessary for publication in the main news section of: The Dickson Herald.

This advertisement must be published on January 31, 2001 and is not to be placed in the classified advertisement section.

Following publication please send:

- * **3 copies** of the bill,
- * **3 copies** of a NOTARIZED certificate of publication and
- * **1 clipping (tear sheet)** of each newspaper ad

to: Tennessee Department of Environment and Conservation
Division of Solid Waste Management
Attention: Ms. Rose Busby
5th Floor, L & C Tower
401 Church Street
Nashville, TN 37243-1535
Phone 615-532-0836

If you have any questions please call me at 615-532-0840 or FAX at 615-532-0886.

Sincerely,



Edward L. Casey
Division of Solid Waste Management

ELC/tps-Sumiden.doc/me

enclosure

cc: Ms. Tracy Carter, Environmental Program Coordinator, TDEC
Ms. Kim Olson, Public Information Officer, TDEC
Ms. Rose Busby, DSWM
Mr. Robert S. Nakamoto, Environmental Protection Specialist, DSWM
Mr. Joe Putnam, Environmental Protection Specialist, DSWM
Mr. Bill Krispin, Manager, Permitting Sections, DSWM
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Mr. Otis Johnson, RCRA Branch, U.S. EPA, Region 4, Atlanta, GA
Mr. Brian Burr, Plant Manager, Sumiden Wire Products Corporation, Dickson, TN
Central Files (18) – TNR 00 000 1834

**PUBLIC NOTICE
OF
PROPOSED DEPARTMENTAL ACTION**

The Tennessee Department of Environment and Conservation, Division of Solid Waste Management (DSWM), is hereby giving notice of a tentative decision to grant a variance, from classification as a solid and hazardous waste, for metal hydroxide wastewater treatment sludge recovered from Sumiden Wire Products Corporation's (SWPC) wastewater system. This variance is to be granted to, and is solely applicable to, SWPC, for its operations at: 710 Marshall Stuart Drive; Dickson Tennessee 37055; ID Number TNR 00 000 1834. This proposed variance is being granted under Tennessee Rule 1200-1-11-.01(4), "Variances from Classification as a Waste", which allows DSWM to grant variances for materials which meet the specified legal criteria and are environmentally sound processes.

The metal hydroxide wastewater treatment sludge is generated from the lime treatment of wastewaters produced primarily from the electroplating of nickel (from pure nickel rounds) onto stainless steel wire. The nickel enters the wastewater system via a process whereby the wire is rinsed after exiting the electroplating baths. The wastewater system is being operated to maximize the recovery of the nickel content of the wastewater. Currently the sludge is stored in a bulk roll-off container, and disposed of in a landfill in Alabama as a hazardous waste. This is not due to the intrinsic hazard of the waste, but to it being a listed hazardous waste due to being generated by electroplating operations.

This variance seeks to prevent a valuable commodity from being disposed of as hazardous waste. If approval of this variance is granted, the material will be transported to Agmet Metals in Ohio. The metal hydroxide wastewater sludge will then undergo calcination and be transformed into nickel oxide powder. The nickel oxide powder will then be sold for use as feed stock for primary nickel manufacturing. Currently approximately 14,500 pounds of nickel in this sludge is being landfilled per year. This nickel is worth approximately \$50,000. Recycling this material thus represents the recovery of a valuable material that is currently being wasted by disposal.

This recycling process promotes sustainable development by reducing the amount of virgin nickel that is mined. Thus, the impact of mining operations is reduced. Another positive environmental benefit is the conversion into a valuable commodity of nickel bearing materials that otherwise would be wastefully landfilled. Thus, the burden on landfills and the environment is reduced. The Department has concluded that this recovery process is environmentally sound and will have highly beneficial environmental and economic impacts.

The procedures for determining that certain hazardous materials that are being recycled will no longer be classified as wastes are provided in Tennessee Rule 1200-1-11-.01(4) ***Variances from Classification as a Waste***.

Copies of the Variance Request, DSWM's response, and the Public Notice are available for public review at the Dickson County Public Library, 305 East Hunt Street, Dickson, Tennessee, telephone 615-446-8293. These materials may also be viewed from 8:00 AM to 4:30 PM, Monday through Friday (except legal holidays) at the Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church

Street; Nashville, Tennessee 37243-1535. Please call Ms. Pam Chavez at 615-532-0346 to schedule an appointment.

Any interested person may obtain further information or submit written comments or request a public hearing on this proposal by contacting: Mr. Robert S. Nakamoto, Environmental Protection Specialist; Waste Activity Audit Section; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-0868, FAX 615-532-0886, or E-mail rnakamoto@mail.state.tn.us. The comments must be received by 4:30 PM, March 1, 2001 to assure consideration. After considering all public comments received, the DSWM Director will issue a final decision to either grant or deny the variance.

The Tennessee Department of Environment and Conservation is committed to principles of equal opportunity, equal access and affirmative action. Contact the EEO/AA Coordinator or the ADA Coordinator at 1-888-867-2757 for further information. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

Persons who wish to be on DSWM's mailing list should request a Mailing List Request form by calling or writing: Public Participation Officer; Division of Solid Waste Management; Tennessee Department of Environment and Conservation; 5th Floor, L & C Tower; 401 Church Street; Nashville, Tennessee 37243-1535; telephone 615-532-0780.

NOTICE ISSUED: January 31, 2001